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(FILE 'HOME' ENTERED AT 14:39:56 ON 08 MAY 1998)

FILE 'WPIDS' ENTERED AT 14:40:02 ON 08 MAY 1998
E HUFF K L/AU

L1 4 S THROUGH(2W)WASHER(5W)DRYER
L2 9 S WASHER(P)DRYER(P)(POUCH OR BAG OR SACHET# OR ENVELOPE#)
L3 3 S L2 AND POLYESTER#
L4 432 S (POUCH OR BAG)(P)AIR(P)(DETERGENT OR CLEANING)
L5 10 S DRYER# AND L4

FILE 'CA' ENTERED AT 14:59:57 ON 08 MAY 1998

L1 4 THROUGH (2W) WASHER (5W) DRYER

=> d 1-4 11 ti

L1 ANSWER 1 OF 4 WPIDS COPYRIGHT 1998 DERWENT INFORMATION LTD
TI Substrate developer for semiconductor and LCD - comprises of
substrate developing part and washing and drying part where
substrate conveyor transfers substrate from one process chamber to
another.

L1 ANSWER 2 OF 4 WPIDS COPYRIGHT 1998 DERWENT INFORMATION LTD
TI Method of purifying water contg. suspended and dissolved impurities
- involves mixing water in hydrocyclone with dried sludge and
artificial coagulants.

L1 ANSWER 3 OF 4 WPIDS COPYRIGHT 1998 DERWENT INFORMATION LTD
TI Combined printing plate washer and dryer unit - has laterally
inclined spray system directed at washer conveyor belt.

L1 ANSWER 4 OF 4 WPIDS COPYRIGHT 1998 DERWENT INFORMATION LTD
TI Continuous wool top manu.

L2 9 WASHER (P) DRYER (P) (POUCH OR BAG OR SACHET# OR ENVELOPE#) (P)
(ANTISTATIC OR SOFTEN#### OR ANTI STATIC)

=> d 1-9 12 ti

L2 ANSWER 1 OF 9 WPIDS COPYRIGHT 1998 DERWENT INFORMATION LTD
TI Prepn. of stonewash-like silk woven or knitted fabric having melon
husk state wrinkle - by creasing fabric, packing into bag, washing,
drying, scouring, imparting softener and tumble drying.

L2 ANSWER 2 OF 9 WPIDS COPYRIGHT 1998 DERWENT INFORMATION LTD
TI Prepn. of silk woven or knitted fabric having non-uniform rubbing
shape - by packing fabric into bag, mellowing with washer, drying,
scouring, etc..

L2 ANSWER 3 OF 9 WPIDS COPYRIGHT 1998 DERWENT INFORMATION LTD
TI Silk fabric having stone-washed appearance - prep'd. by crumpling in
jet dyeing machine contg. softener after treating with polyurethane
finishing agent.

L2 ANSWER 4 OF 9 WPIDS COPYRIGHT 1998 DERWENT INFORMATION LTD
TI Woven or knitted silk fabric with stone-wash tone - by adhering
finishing agent contg. cation softening agent and amino-modified
silicone.

L2 ANSWER 5 OF 9 WPIDS COPYRIGHT 1998 DERWENT INFORMATION LTD
TI Stone-wash like repellent finish for silk woven-knitted fabric - by
placing fabric in bag after supplying finishing agent, then treating
in rotary washer and drying.

L2 ANSWER 6 OF 9 WPIDS COPYRIGHT 1998 DERWENT INFORMATION LTD
TI Pouched laundry additive prod. carrier - containing separate wash
and drier additives in pouch with apertured film wall.

L2 ANSWER 7 OF 9 WPIDS COPYRIGHT 1998 DERWENT INFORMATION LTD
TI Pouches for successively dispensing components of mixt. - esp.
detergent and fabric softener in washing machines.

L2 ANSWER 8 OF 9 WPIDS COPYRIGHT 1998 DERWENT INFORMATION LTD
TI Dispensing different laundry additives - effective in washing phase
or in drying phase, from porous container.

L2 ANSWER 9 OF 9 WPIDS COPYRIGHT 1998 DERWENT INFORMATION LTD
TI Pouch for conditioning fabrics in automatic washer - comprising air
permeable layers e.g. of polyurethane foam and polyester.

L2 ANSWER 6 OF 9 WPIDS COPYRIGHT 1998 DERWENT INFORMATION LTD
AN 89-220113 [30] WPIDS
DNC C89-097818
TI Pouched laundry additive prod. carrier - containing separate wash and drier additives in pouch with apertured film wall.
DC A92 D25 Q32 Q34
IN BRENNOCK, J T; ONEILL, D C; SZKUTAK, J B; WILLMAN, K W; O'NEILL, D C
PA (PROC) PROCTER & GAMBLE CO
CYC 17
PI US 4839076 A 890613 (8930)* 30 pp
EP 336488 A 891011 (8941) EN
R: AT BE CH DE ES FR GB GR IT LI LU NL SE
AU 8932560 A 891012 (8949)
JP 02053970 A 900222 (9014)
CA 1324305 C 931116 (9401) C11D017-04
ADT US 4839076 A US 88-178747 880407; EP 336488 A EP 89-200791 890329;
JP 02053970 A JP 89-89575 890407; CA 1324305 C CA 89-595932 890406
PRAI US 88-178747 880407
REP A3...9146 ; EP 233027; No-SR.Pub ; US 4095946; US 4410441
IC B65D030-02; B65D075-30; B65D083-06; B65D085-00; C11D017-00;
D06M023-02
ICM C11D017-04
ICS B65D030-02; B65D075-30; B65D083-06; B65D085-00; D06M023-02
AB US 4839076 A UPAB: 930923
Laundry additive carrier comprises a **pouch** formed of at least two pliable opposing walls forming at least one compartment containing a predetermined quantity of particulate water soluble **washer** additive and a predetermined quantity of particulate **dryer** additive which is insoluble in water and has a **softening** temperature which is higher than the wash water temp. but lower than the temperature of a clothes **dryer**. At least one wall of the **pouch** is of a water impermeable polymeric film of **softening** temperature higher than encountered during the washing and drying cycle, and which is non absorbent to the **washer** and **dryer** additives. The film is formed with a pattern of outwardly extending protuberances each having an aperture at its tip, the pattern having a density of 1500 to 14400 apertures per sq. in.. The apertures are small enough to prevent the additives passing through in their dry, solid, state but large enough to permit the passage of water and a wash liquor formed by dissolving the **washer** additive and also functions during a drying cycle to dispense **dryer** additive onto the surface of the laundered textile which come into contact with the **pouch** while the additive is in a **softened** viscous state.
USE/ADVANTAGE - Partic . dispensing a detergent and a **softener/anti static** agent automatically onto textiles being laundered in an automatic **washer** and **dryer** machine at the appropriate times during a washing/drying cycle. Allows automatic dispensing without further attention once the **pouch** has been placed in the machine with the textiles to be laundered at the start of machine operation and which dispenses the additives efficiently and without staining of clothes due to non uniform distribution.
2/3
FS CPI GMPI
FA AB
MC CPI: A04-G03E1; A12-P06C; D11-A; D11-B15

L2 ANSWER 7 OF 9 WPIDS COPYRIGHT 1998 DERWENT INFORMATION LTD
AN 87-129073 [18] WPIDS

DNC C87-053676

TI Pouches for successively dispensing components of mixt. - esp. detergent and fabric softener in washing machines.

DC D25 Q31 Q32 Q34

IN FOOTE, M R; KLEMM, S R
PA (AMWA-N) AMWAY CORP

CYC 14

PI US 4659496 A 870421 (8718)* 11 pp
EP 233027 A 870819 (8733) EN

R: AT BE CH DE ES FR GB IT LI NL

AU 8768120 A 870806 (8738)

JP 62246999 A 871028 (8749)

CA 1258254 A 890808 (8938)

US 33646 E 910723 (9132)

JP 2514347 B2 960710 (9632)

9 pp C11D017-00

JP 08225799 A 960903 (9645)

10 pp C11D017-04

JP 2611160 B2 970521 (9725)

10 pp C11D017-04

ADT US 4659496 A US 86-825018 860131; EP 233027 A EP 87-300838 870130;
JP 62246999 A JP 87-20337 870131; US 33646 E US 89-340537 890418; JP
2514347 B2 JP 87-20337 870130; JP 08225799 A Div ex JP 87-20337
870131, JP 95-345352 870131; JP 2611160 B2 Div ex JP 87-20337
870131, JP 95-345352 870131

FDT JP 2514347 B2 Previous Publ. JP 62246999; JP 2611160 B2 Previous
Publ. JP 08225799

PRAI US 86-825018 860131

REP 1.Jnl.Ref ; A3...8911 ; EP 39527; No-SR.Pub ; US 4095946; US
4304562; US 4410441; US 4588080

IC B65B009-08; B65D030-00; B65D033-36; B65D083-06; C11D017-00;
D06M013-46; D06M021-02

ICM C11D017-00; C11D017-04

ICS B65B009-08; B65D030-00; B65D033-36; B65D083-06; D06F039-02;
D06M013-46; D06M021-02; D06M023-02

AB US 4659496 A UPAB: 930922

A mixt. of a readily water-soluble material (I) and a less water-soluble material (II) is packaged so that (I) is released at low temp. and (II) is only released after it has melted. The mixt. is packaged by forming a pouch of porous fabric, forming openings in the pouch, placing the mixt. in the pouch, and closing the pouch without sealing the pores or openings. The pores are small enough to retain (I) and solid (II) but large enough to permit passage of water and molten (II). The openings normally have a dimension small enough to retain (I) and (II), but the dimension increases under agitation and impact in water, thereby providing increased water flow and completely dispensing (I) while retaining (II) until it melts.

USE - The pouches are useful for successively dispensing detergent and fabric softener in washing machines.

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FS CPI GMPI

FA AB

MC CPI: D11-B03; D11-B15C

L2 ANSWER 8 OF 9 WPIDS COPYRIGHT 1998 DERWENT INFORMATION LTD

AN 86-169724 [27] WPIDS

DNN N86-126657 DNC C86-072897

TI Dispensing different laundry additives - effective in washing phase or in drying phase, from porous container.

DC D25 Q34 X27

IN BROUWER, S J; DOGGETT, R H; FLOWER, D M; GEORGAL, J F; SHANLEY, E S
PA (AMWA-N) AMWAY CORP

CYC 1

PI CA 1205424 A 860603 (8627)* 41 pp

• ADT CA 1205424 A CA 83-435682 830830
PRAI US 82-428267 820
IC B65D085-00
AB CA 1205424 A UPAB: 930922

At least 2 different laundry additives, (a) effective in the washing phase, and (b) effective in the drying phase, are dispensed by placing in a porous container (a) an agent which will be dispensed from the container as water flows round the container in a **washer**, and (b) in a form which will not pass through the pores of the container in the washing phase. The container and the clothes are placed first in the **washer**, and then in the **dryer**. Agent (b), opt. compounded with other components, is not dispensed or activated at **washer** temps., but passes through the pores of the container at the temp. of the **dryer**. Use of a zeolite as (a), and as a component of (b) is claimed.

ADVANTAGE - All the additives are introduced at the start of the wash cycle, and are automatically released at different stages of the operation. The agents are not coated, use of pH control agents is avoided, and the **pouch** can be small. Addn. of an excess of water **softener** to a laundry detergent compsn. is not necessary.

0/1

FS CPI EPI GMPI
FA AB
MC CPI: D11-B11; D11-B15
EPI: X27-D01A; X27-D02

L2 ANSWER 9 OF 9 WPIDS COPYRIGHT 1998 DERWENT INFORMATION LTD
AN 81-28935D [16] WPIDS
TI Pouch for conditioning fabrics in automatic washer - comprising air permeable layers e.g. of polyurethane foam and polyester.

DC A97 D25 E19

IN DEMESSEMAE, E M; PRACHT, H J
PA (PROC) PROCTER & GAMBLE CO

CYC 1

PI US 4259373 A 810331 (8116)*

PRAI US 76-704722 760712; US 79-29583 790412

IC C11D003-39; C11D007-54

AB US 4259373 A UPAB: 930915

Article for conditioning fabrics in an automatic **washer**, operating with wash, rinse and spin dry cycles, comprises a closed, water insoluble, heat resistant flexible receptacle, pref. **pouch** with 2 layers having a combined air permeability of 200-390 cubic ft/min/sq.ft. of surface and an effective amt. of fabric **softener**/antistat compsn. (I).

Pouch is pref. placed in the **washer** at the start of the washing programme and may remain with the fabrics in the tumble **dryer**, if used.

FS CPI
FA AB
MC CPI: A12-P06; A12-S02; D11-B15; E06-A02; E07-A02; E07-D09; E10-A22

=> d 3 13

L3 ANSWER 3 OF 3 WPIDS COPYRIGHT 1998 DERWENT INFORMATION LTD
AN 81-28935D [16] WPIDS
TI Pouch for conditioning fabrics in automatic washer - comprising air
permeable layers e.g. of polyurethane foam and **polyester**.
DC A97 D25 E19
IN DEMESSEMAE, E M; PRACHT, H J
PA (PROC) PROCTER & GAMBLE CO
CYC 1
PI US 4259373 A 810331 (8116)*
PRAI US 76-704722 760712; US 79-29583 790412
IC C11D003-39; C11D007-54

> d 1-10 15 ti

L5 ANSWER 1 OF 10 WPIDS COPYRIGHT 1998 DERWENT INFORMATION LTD
TI Article for treating fabrics - comprises liquid cleaning composition releasably absorbed in substrate which has a cover sheet permeable to the composition in liquid and vapour state.

L5 ANSWER 2 OF 10 WPIDS COPYRIGHT 1998 DERWENT INFORMATION LTD
TI Dry cleaning process using heat resistant dry cleaning bag - constructed of nylon and/or polyester which does not melt in hot spots in conventional automatic clothes **dryer**.

L5 ANSWER 3 OF 10 WPIDS COPYRIGHT 1998 DERWENT INFORMATION LTD
TI Dry-cleaning kit for in-**dryer** use - comprises fastening system that, when fastened, provides vapour impermeable container and interior surface releasably impregnated with gelled liquid dry cleaning compsn..

L5 ANSWER 4 OF 10 WPIDS COPYRIGHT 1998 DERWENT INFORMATION LTD
TI Dry cleaning process suitable for home use - comprises agitating fabrics with compsn. comprising water, etherified propanol solvent, 1,2-octane diol and emulsifier.

L5 ANSWER 5 OF 10 WPIDS COPYRIGHT 1998 DERWENT INFORMATION LTD
TI Lint elimination device for clothes **dryer** - comprises filter bag of thin long form, freely detachable on discharge air passage of **dryer**.

L5 ANSWER 6 OF 10 WPIDS COPYRIGHT 1998 DERWENT INFORMATION LTD
TI Human waste disposal appts. esp. for portable toilets - uses computer control for heater to dehydrate waste so as to convert liquid portion into vapours which are purified, remaining solid waste being stored.

L5 ANSWER 7 OF 10 WPIDS COPYRIGHT 1998 DERWENT INFORMATION LTD
TI Bedding **dryer** which can completely kill acarina and has improved drying effect - having bag-shaped sheet with a connection port for a suction mouth and which can accommodate bedding and be airtightly sealed.

L5 ANSWER 8 OF 10 WPIDS COPYRIGHT 1998 DERWENT INFORMATION LTD
TI **Dryer bag** for **cleaning** recirculated warm **air** - fits over vent pipe and has lint filter.

L5 ANSWER 9 OF 10 WPIDS COPYRIGHT 1998 DERWENT INFORMATION LTD
TI Laundry **dryer** with horizontal drum for laundry - filter device for hot air leaving drum is filter bag which is quick to clean.

L5 ANSWER 10 OF 10 WPIDS COPYRIGHT 1998 DERWENT INFORMATION LTD
TI Fluid bed **dryer** with integral bag filter - having pulse jet cleaning and hot gas induced draft fan.

> d 1 16

L6 ANSWER 1 OF 1 CA COPYRIGHT 1998 ACS
AN 114:209608 CA
TI Jumbo particulate fabric softener composition
IN Wierenga, Thomas J.; Hensley, Charles A.; Pollard, Ricky A.; Kremer,
Bernard K.
PA USA
SO Can. Pat. Appl., 24 pp.
CODEN: CPXXEB
PI CA 2010697 AA 900903
AI CA 90-2010697 900222
PRAI US 89-318778 890303
US 89-335917 890410
DT Patent
LA English
OS MARPAT 114:209608

=> d 1 16 ab

L6 ANSWER 1 OF 1 CA COPYRIGHT 1998 ACS
AB A detergent-compatible, **dryer**-activatable, fabric
softener compn. (m.p. 40-80.degree., viscosity 50-250 P near
the m.p.) having particle size 5-30 mL is placed in a water-insol.,
water-permeable **pouch**, optionally with a laundry
detergent, and added to the **washer** with soiled fabrics.
The particles survive the wash and provide good transfer of
softener to fabrics in a **dryer** while causing
minimal residual **pouch** staining. A **softener**
compn. (m. 54.degree.) contained di-Me di(tallow alkyl)ammonium Me
sulfate 44, sorbitan monostearate 22, cetyl alc. 22, and Syloid 234
12%.

> d 53 17 ab

L7 ANSWER 53 OF 64 CA COPYRIGHT 1998 ACS

AB **Air-sensitive granular detergent** compns. were packaged in pouches having a reclosable spout structure which were formed by heat sealing a laminate comprising an outside layer of high-m.p. material, an Al foil layer, a paper layer, and an inner layer of low-m.p. material capable of acting as an adhesive. Thus, a **pouch** was formed from a laminate comprising a 0.005-in.-thick layer of oriented polypropylene [9003-07-0], 0.0003-in.-thick Al foil, bleached MG paper having a basis wt. of 25 lb./ream, and a 0.0015-in.-thick layer of polyethylene (I) [9002-88-4]. A piece of laminate 11 times. 12 in. was folded over so the I touched the I and heat-sealed on 1 of the shorter edges and the long edge to form a .apprx.0.5 in. heat-seal fin. The resulting **bag** was opened and formed into a rectangular carton by a mandrel with the fin in the center of 1 side, and the resulting ears on the sealed end were folded back in and sealed with hot-melt adhesive to the bottom to stabilize the **bag** in a flat configuration. The open **bag** was filled with 35 oz. **air-sensitive granular detergent**, and the top was sealed by folding the opposing sides of the square **bag** into conventional V-type folds with the heat-sealed fin inside the apex of 1 of the V's and then heat-sealing across the top. On the side where the spout was desired (with the fin), there was only a 1/8 in. heat-seal.

=> d 53 17

L7 ANSWER 53 OF 64 CA COPYRIGHT 1998 ACS

AN 94:85343 CA

TI Granular **detergent** composition comprising **air**-sensitive material in protective **bag**

IN Gilbert, Lawrence A.; Leist, Jeffrey R.

PA Procter and Gamble Co., USA

SO U.S., 3 pp.

CODEN: USXXAM

PI US 4239639 801216

AI US 79-50032 790619

DT Patent

LA English